

**AMENDMENT TO ABSTRACT:**

Please replace the Abstract with the following amended Abstract:

**ABSTRACT OF THE DISCLOSURE**

~~The present invention relates to method~~A method of to effectively implement ~~estimating~~ motion estimation, which is a part of digital video signal processing algorithm, in a mobile device ~~reduces access of external memory and power consumption while increasing the usability of internal memory. The method includes like embedded system with small internal memory space. In the present invention, with recognition to~~recognizing an the overlapped block of the ~~of a~~ reference search area between the current and its next macro block, ~~and transferring only non-overlapped blocks are transferred to internal memory when motion estimation of a next macro block is performed. So the access of external memory and power consumption is reduced and the usability of internal memory is increased. Then, the system performance to implement complex algorithm of MPEG-4 video encoder in mobile devices is improved.~~

## ABSTRACT OF THE DISCLOSURE

A method of estimating motion in a mobile device reduces access of external memory and power consumption while increasing the usability of internal memory. The method includes recognizing an overlapped block of a reference search area between the current and its next macro block, and transferring only non-overlapped blocks to internal memory when motion estimation of a next macro block is performed.